

**ABSTRACT**

Models are generated using a variety of tools and features of a model generation platform. For example, in connection with a project in which a user generates a predictive model based on historical data about a system being modeled, the user is provided through a graphical user interface a structured sequence of model generation activities to be followed, the sequence including dimension reduction, model generation, model process validation, and model re-generation.

In connection with a process in which a user generates a collection of predictive models or an aggregate predictive model based on historical data about a system being modeled, profiles of aggregate targets are generated based on key contributory variables.